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tember in the years referred to was in 1899, when the death rate was 34.48 per thousand. For September, 1901, the death rate was 15.64 per thousand. Taking the yellow fever year as commencing April 1, the record of the past eleven years shows that for the six months up to the first of October the smallest number of deaths from this disease occurred in 1899, when there were 36 deaths; the greatest number in 1897, when there were 659 deaths—average, 296 deaths. This year, during the same period, there were only five deaths.

SIR CLEMENTS A. MARKHAM, president of the Royal Geographical Society, has given out for publication a communication stating that despatches received from the Cape give details of the voyage of the *Discovery* and announce the departure of the Antarctic expedition from Simon's Bay on October 14 on the voyage to Lyttelton, the last port of call before entering the ice. Experience of the performances of the ship has been acquired during a voyage of 58 days—33 under steam and 25 under sail. She might make a reasonably good passage under sail with a fair wind, but she makes excessive leeway when close hauled; her canvas area is too small, and she must be accounted a poor sailer. She is, however, an excellent sea boat, which is the main point, and in a fresh breeze with a heavy sea she is very stiff and dry. She has, on the whole, done as well as can be expected for a vessel of her type. Her coal consumption is, however, disappointing. The economy of the engines is less than expected, and the necessity for nursing coal in future operations is proportionately increased. Officers and men have had a very trying time in the tropics. The ship leaked, from causes which can no doubt be obviated. But as the provision cases were stowed in the holds down to the keelson and the water rose amongst them it was necessary to clear the holds, to construct floors with an amply sufficient bilge space beneath and to restore the holds again—all this under a tropical sun. The engineering department had still more severe work, owing to the long spell of steaming with the thermometer at 140° F. in the engine-room, and the engines, being new, required more than ordinary care and adjustment.

UNIVERSITY AND EDUCATIONAL NEWS.

THE council of New York University has decided to celebrate the seventy-fifth anniversary of the founding of the University in October, 1905. An effort will be made to collect \$2,000,000 for an endowment fund.

DR. OSLER, of the John Hopkins University, has given to the medical library of McGill University a number of rare books on medicine. The medical library has been much improved in the alterations of the building.

THE Library of the Chemical Department of the University of Vermont has just been augmented by the addition of some 400 volumes, chiefly German chemical journals. These are mainly the gift of F. W. Ayer, of New York, who subscribed \$1,000 to the special fund.

IT is announced that Andrew Carnegie will give \$500,000 to build and equip a technical college in southern Scotland. The institution will probably be located at Galashiels, counties of Roxburgh and Selkirk.

THE widow of the late professor of the history of medicine at Vienna, Dr. Puschmann, has bequeathed her entire property, about a quarter of a million dollars, to the University of Leipsic.

THE Liverpool City Council has unanimously resolved to make application to Parliament for powers to enable the council to contribute money from the rates toward the formation and maintenance of a university in the city.

BEGINNING with the academic year 1905–06 all students desiring to enter the first year of the medical course of the University of California, and all new students seeking advanced standing must present evidence of having completed at least two full years of preliminary training in the undergraduate department of a college or university of recognized standing. Satisfactory evidence must also be presented that during these two years the applicant has completed courses in chemistry (12 hours for a year), physics (13 hours), biology (6 hours), and has a reading knowledge of French and German.

THE new chemical laboratory of the University of Oregon, for which appropriations

were made during the last two sessions of the Legislature, has been completed and equipped, and is now occupied by the department of chemistry. The building is a three-story brick structure, finished with Roman cement, and is 100 feet long by 46 feet deep. It contains sixteen rooms, of which thirteen are now in use. Four large laboratories are for student use, and will accommodate over 200 students working in sections. The lecture room has a seating capacity of one hundred and fifteen persons; it is completely equipped with separate preparation room, rear hood, 28 foot table provided with down draught, projecting spectroscope and polariscope, etc. The building also contains four private laboratories, two store rooms, a dark room, a balance room and a private office for the director. The three rooms not yet fitted up are all of large size. The laboratories are ventilated by a large Sturtevant centrifugal exhauster, driven by an electric motor; all the rooms are wired for light and for power, and are heated by steam. Gas is furnished by a 100-light Detroit combination machine. The total cost of building, furniture, apparatus and chemicals was \$22,500.

THE trustees of Williams College met in New York City on November 8, with a view to selecting a president for the College, but were unable to come to a decision. Of the fifteen trustees in attendance it is said that five voted for Dr. E. H. Griffin, professor of the history of philosophy at the Johns Hopkins University and dean of the college faculty, and three for Dr. Henry Lefavour, professor of physics at Williams College and dean of the faculty.

IN the Medical Department of the University of Pennsylvania Dr. Charles Mills has been appointed clinical professor of nervous diseases, in the place of Dr. Horatio Wood, resigned; Dr. W. G. Spiller, assistant professor of nervous diseases, and Dr. Charles Burr, professor of mental diseases.

ASSISTANT PROFESSOR S. LAWRENCE BIGELOW has been made acting director in charge of general chemistry at the University of Michigan during Professor Freer's absence in the Philippines. Mr. A. M. Clover has been appointed acting instructor in chemistry. R. T.

Sanford and N. F. Harriman have been appointed assistants in the chemical laboratory.

A. B. MACALLUM, Ph.D., has been promoted to a full professorship of physiology in the University of Toronto.

THE following appointments have been recently made at the University of Oregon: E. D. Ressler, A.M. (Ohio State University), assistant professor of education; Henry D. Sheldon, Ph.D. (Clark), assistant professor of philosophy and education; Richard H. Dearborn, B.S. (Cornell), instructor in electrical engineering; Charles W. M. Black, Ph.D. (Harvard), instructor in mathematics; Orin F. Stafford, A.B. (Kansas), instructor in chemistry; Percy P. Adams, A.B. (University of Oregon), assistant instructor in civil engineering; Archibald A. Atkinson, A.B. (Pacific University), assistant instructor in biology; P. Irving Wold, B.S. (University of Oregon), assistant instructor in physics; R. R. Renshaw, scholar and assistant in chemistry.

PROFESSOR J. B. GARNER, of the Bradley Institute at Peoria, has been appointed professor of chemistry in Wabash College.

MR. LYMAN F. MOREHOUSE, an assistant in the physical department of the University of Michigan, has accepted a position as an instructor at Washington University, St. Louis. Mr. Lindley Pyle will fill the vacancy at the University of Michigan.

PHILIP B. HAWK, M.S., has been elected to succeed W. D. Cutler, A.B., as assistant in the department of physiological chemistry of Columbia University, at the College of Physicians and Surgeons.

CLARK WISSLER, A.B. (Indiana), Ph.D. (Columbia), has been appointed instructor in psychology in the School of Pedagogy of New York University, and Dr. J. E. Lough has been promoted from an instructorship to an acting professorship.

PROFESSOR HUGH L. CALLENDAR, F.R.S., has been appointed to the professorship of physics in the Royal College of Science, vacant by the resignation of Professor Rücker, who has become principal of the University of London.